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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/802,886	03/12/2001	Yuuichi Hirano	204612US2	5686
22850	7590 05/28/2004		EXAMINER	
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET			TRAN, THIEN F	
	UA, VA 22314		ART UNIT PAPER NUMBER	
	-		2811	

DATE MAILED: 05/28/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	09/802,886	HIRANO ET AL.					
Office Action Summary	Examiner	Art Unit					
	Thien F Tran	2811	1401				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) Responsive to communication(s) filed on 15 A	pril 2004.						
2a) This action is FINAL . 2b) ⊠ This action is non-final.							
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
closed in accordance with the practice under I	Ex parte Quayle, 1935 C.D. 11, 45	i3 O.G. 213.					
Disposition of Claims							
4) ☐ Claim(s) 1.4-6 and 21-25 is/are pending in the 4a) Of the above claim(s) is/are withdra 5) ☐ Claim(s) 23-25 is/are allowed. 6) ☐ Claim(s) 1 and 22 is/are rejected. 7) ☐ Claim(s) 4-6 and 21 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	wn from consideration.						
Application Papers							
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Example 11.	epted or b) objected to by the Education of the Education of the Education is required if the drawing(s) is objected to by the Education is required if the drawing(s) is objected to by the Education is required if the drawing(s) is objected to by the Education is required if the drawing(s) is objected to by the Education is required in the Education is required to by the Education is required to be added to be	e 37 CFR 1.85(a). jected to. See 37 CFR 1.1	, ,				
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list	ts have been received. Is have been received in Applicationity documents have been received In (PCT Rule 17.2(a)).	on No ed in this National Stag	e				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:		ı				
U.S. Patent and Trademark Office PTOL-326 (Rev. 1-04) Office A	ction Summary	Part of Paper No./Mail [Date 26				

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 04/15/2004 has been entered.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1 and 22 are rejected under 35 U.S.C. 102(e) as being anticipated by Christensen et al. (USPN 6,121,659).

Christensen et al. discloses the claimed semiconductor device (Fig. 8) comprising an SOI substrate having a structure in which a semiconductor substrate 12, an insulating layer 14 and a semiconductor layer 16 are layered in this order, the semiconductor substrate being in contact with the insulating layer; an isolation insulating

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film 26 formed in a main surface of said semiconductor layer; a first semiconductor element (25) formed in an element formation region defined by said isolation insulating film in said semiconductor layer, said first semiconductor element including source/drain regions (30, 32) formed in contact with said insulating layer 14; an interlayer insulating film 36 formed on said first semiconductor element and said isolation insulating film; a ground line 38 formed on said interlayer insulating film; and a first complete isolation insulating film 26 formed throughout a portion (see red portion in attached drawing of Figure 8) directly below the ground line.

Allowable Subject Matter

Claims 23-25 are allowed.

Claims 4-6 and 21 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: prior art references do not teach or render obvious a semiconductor device having structure arrangement as claimed in claim 4, claim 23, claim 24 and claim 25.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thien F Tran whose telephone number is (571) 272-1665. The examiner can normally be reached on 8:30AM - 5:00PM Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie C Lee can be reached on (571) 272-1732. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

tt May 21, 2004

THIENTRAN
PRIMARY EXAMINER

